# Think GAIA
### For Life and the Earth

# SANYO

## Full HD Zoom Camera

## VCC-HD4600

DAY NIGHT



New **Full HD** Processing Engine

## SANYO, the first choice for Full HD

- Built-in 10x AF megapixel-rated lens (6.3 - 63mm)
- 1080p Full HD, 30 ips Full Framerate with H.264
- 4-megapixel (2288 x 1712) resolution with MJPEG
- Exclusive Xacti HD-Pro Engine and
  Optimum IP-Pro Engine
- Quad-Stream
- HDMI Output
- Video Analytics
- Local Recording on SD or HDD *
- Digital PTZ and image stabilization
- Bidirectional Audio
- Universal Power Input PoE, 24V AC and 12V DC & PoE

* Use Sanyo-recommended SD card / HDD.

**FULL HD** 1920 × 1080

**VCC-HD4600**
Quad-Stream
Day/Night AF-Zoom
DAY NIGHT

## Technical Specifications

### Camera

| Model No. | | VCC-HD4600 |
|---|---|---|
| Image sensor | | 1/2.5"  Progressive Scan CMOS |
| Number of pixels | | Effective  16:9 1920 (H) x 1080 (V)  4:3 2288(H) x 1712(V) |
| Minimum illumination (approx.) | | Color 2.0lux (F1.8, GAIN HIGH), B/W 0.1lux (F1.8, GAIN HIGH) |
| Video S/N ratio | | More than 50 dB (AGC off) |
| Lens | | 10x Optical Zoom, 16x Digital Zoom   f=6.3 to 63mm, F1.8 to 2.5 |
| View angle | Horizontal | (16:9) 5.5 - 50.6°   (4:3) 5.2 - 48.7° |
| | Vertical | (16:9) 3.1 - 29.3°   (4:3) 3.9 - 37° |
| | Diagonal | (16:9) 6.2 - 57°   (4:3) 6.5 - 58.8° |
| Auto Focus | | Auto/Manual/One-Push |
| Backlight compensation | | Multi/Center/Face/Off, Mask settings possible |
| White balance | | ATW/AWC/MWB/Outdoor/Indoor/Fluorescent Adjustable R and B signals in MWB mode |
| AGC | | Normal/Middle/High/Off Adjustable, gain control in Off mode |
| Electronic shutter | | 1/30, 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 Long shutter : x1, x2, x4, x8, x16, x32 |
| Electronic iris | | On/Off |
| Gamma | | 0.45/1/Mode1/Mode2 |
| Aperture compensation | | On/Off |
| Day/Night | | True Day/Night |
| DNR | | 3D |
| Title | | 16 Characters |
| Motion detection | | Yes, Video analytics |
| Face detection | | Yes |
| Privacy mask | | On/Off |
| Image Stabilizer | | Yes |

### Network

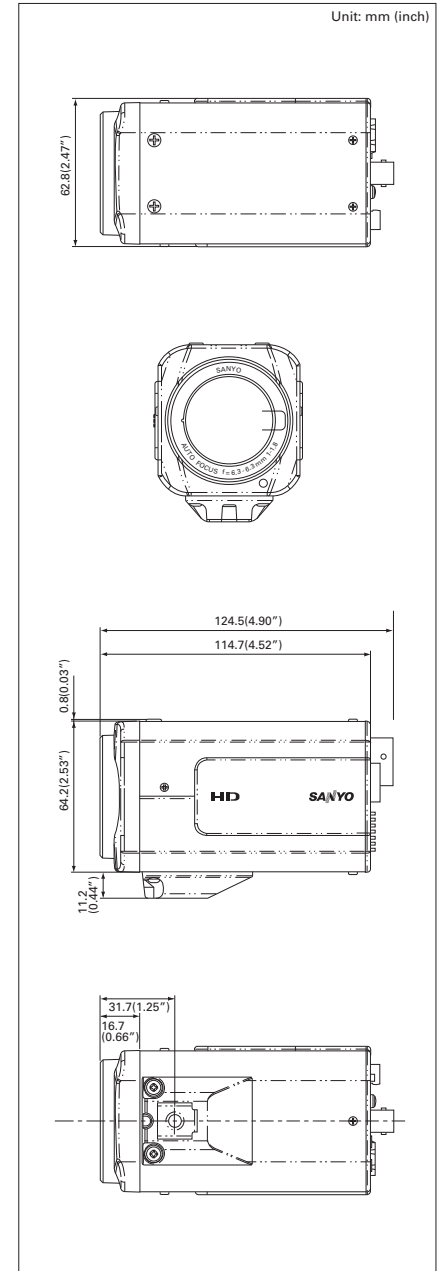| Image compression | | MJPEG / H.264 |
|---|---|---|
| Resolution | H.264 | <16:9> 1920x1080 / 1280x720 / 640x360 / 320x180 <4:3> 1600x1200 / 1280x960 / 1024 x 768 / 640x480 / 320x240 |
| | MJPEG | <16:9> 1920x1080 / 1280x720 / 1024x576 / 640x360 <4:3> 2288x1712 / 1600x1200 / 1280x960 / 1024x768 / 800x600 / 640x480 / 320x240 |
| Picture quality | | Quality: (BASIC, NORMAL, ENHANCED, FINE, SUPER FINE)     Bitrate: Chageable |
| Frame rate | | Max. 30 ips (1920x1080) |
| Streaming number | | 4 |
| Video streaming | | Multi stream H.264 and MJPEG (Max.1920x1080 30 ips) |
| Audio compression method | | G.711, Bidirectional (Full duplex) |
| Protocol | | TCP/IP, UDP, HTTP, HTTPS, SMTP, NTP, DHCP, FTP, DDNS, RTP, RTSP |
| Simultaneous access capacity | | Max. 20 |
| Security | | BASIC authentication (ID/password), SSL supported (Only JPEG), IP filtering |

### Interface

| Video output | Composite out(for adjustment only), HDMI (mini type) |
|---|---|
| SD memory card slot | 1(SDHC) |
| Network port | 10BASE-T/100BASE-TX (RJ45 connector) |
| Alarm input/output | 2/2 |
| Audio input/output | Mic in/Line out(3.5Φ mini jack) |
| USB port | For dedicated HDD case only |

### General

| Environmental conditions | Operating | Temperature: -10 to +50°C (14°F to 122°F)  Humidity: within 90% RH |
|---|---|---|
| | Storage | Temperature: -20 to +70°C (-4°F to 158°F)   Humidity: within 70% RH |
| Power supply | | 24V AC ±10%, 60 Hz / 12 V DC, PoE (IEEE802.3af) |
| Power consumption (approx.) | | 15w |
| Dimensions (approx.) (W x H x D) | | 62.8 x 64.2 x 114.7mm (2.47 x 2.53 x 4.52 inch) |
| Weight (approx.) | | 420g (14.81 oz) |

*Specifications, design and availability are subject to change without notice.

### Dimensions

Unit: mm (inch)

62.8(2.47")

124.5(4.90")
114.7(4.52")
0.8(0.03")
64.2(2.53")
11.2 (0.44")

31.7(1.25")
16.7 (0.66")

**Caution:** Please consult the instruction manual to ensure safe and proper operation of the product.

Digital System Company of SANYO Electric Co., Ltd. obtained Quality Management System ISO9001 and Environmental Management System ISO14001 certifications.

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